STOCKCUBE

User Manual

# Contents

In The Box

You'll find everything you need in the box – your Stock Cube and the power supply (supplied with both US and UK cables).

Quick Start Guide

Stock Cube Front

Top face

Front faces

Stock Cube Rear

Touch control panel

Power supply input port (only use the power supply provided)
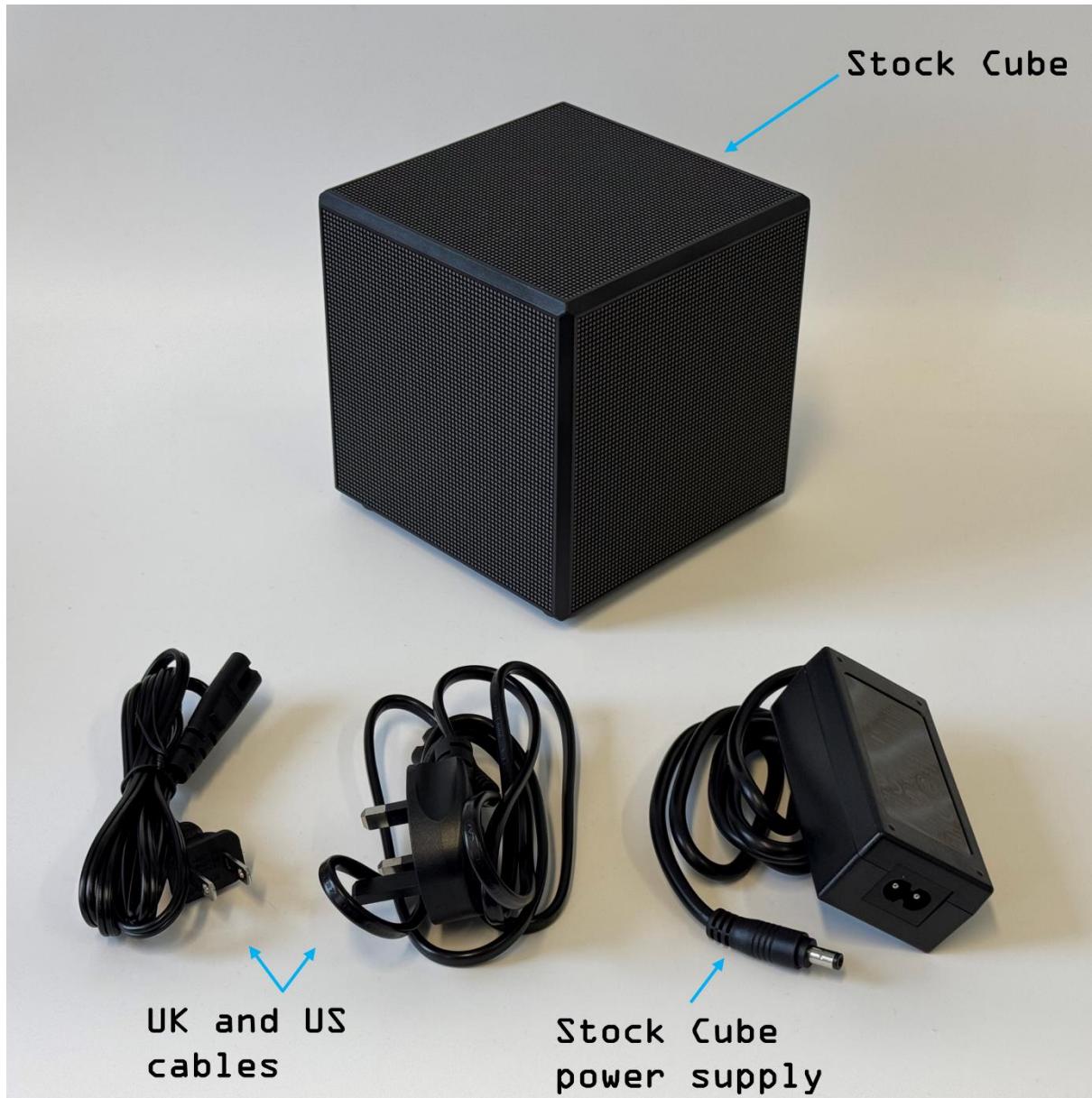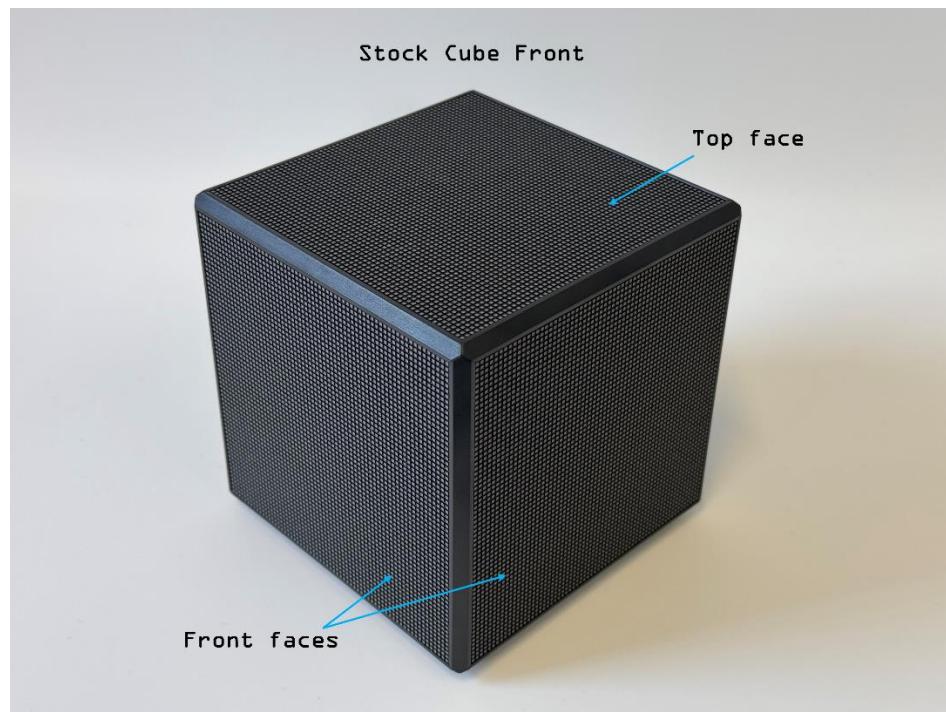
Setting up and using your Stock Cube couldn't be simpler. You will need the following:

1. Your Stock Cube and power supply
2. Any phone or computer
3. A Wifi network with internet connection

Simply follow these 3 steps…

Step 1 – set up your Stock Cube Wifi connection

Plug in your Stock Cube using the power supply provided.

The Stock Cube will boot up and generate its own Wifi hotspot
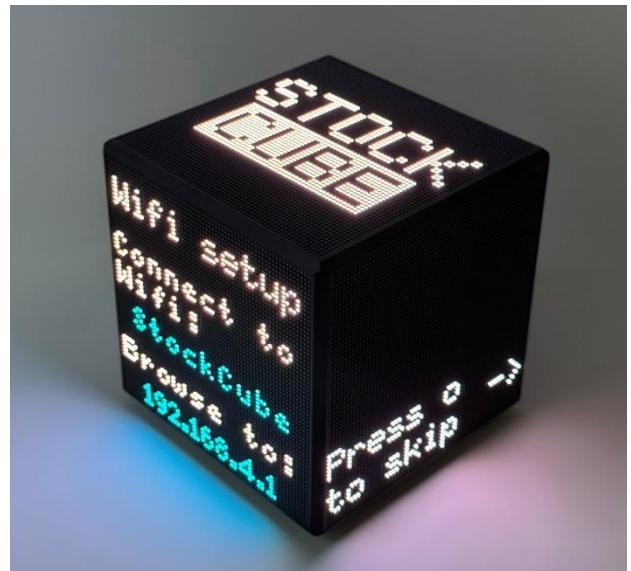
Connect your phone or computer to the "StockCube" Wifi hotspot (no password required)

Open any browser on your phone or computer and browse to the displayed IP address.

You will see the setup screen shown here. Simply enter the details of the Wifi network you want your Stock Cube to connect to and click "Submit".

Your Stock Cube will join your requested Wifi network ready for Step 2

Step 2 – personalise your Stock Cube setup

Your Stock Cube will join your Wifi network, and show you its NEW IP address
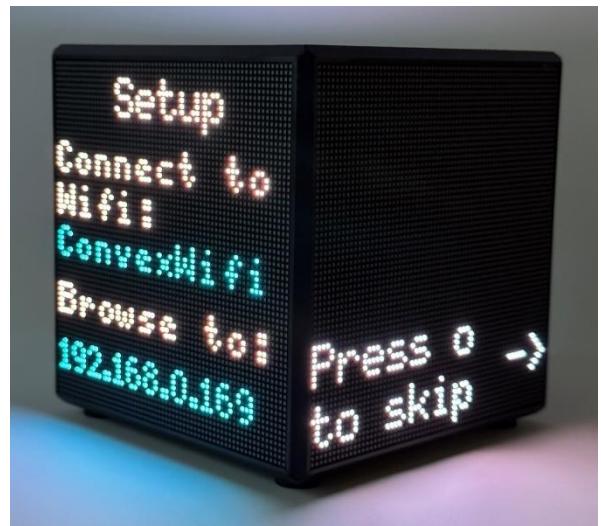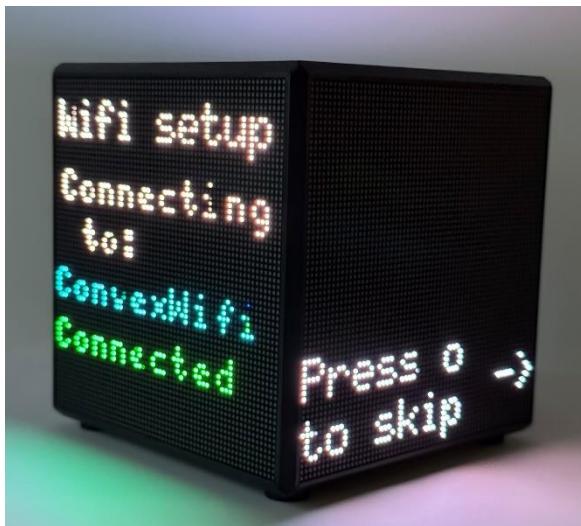
Join the same Wifi network on your phone or computer, and then browse to the new IP address.

Here you will see the Stock Cube Setup tool.

Follow the step-by-step instructions to setup your desired display modes (detailed in the next section).

The Stock Cube checks for any available software updates whenever the Setup tool is run. It is strongly recommended to update your software for all new features whenever available.

The setup tool will ask for all information it needs for your chosen display modes.

Once complete, click "Submit" and enjoy your Stock Cube!
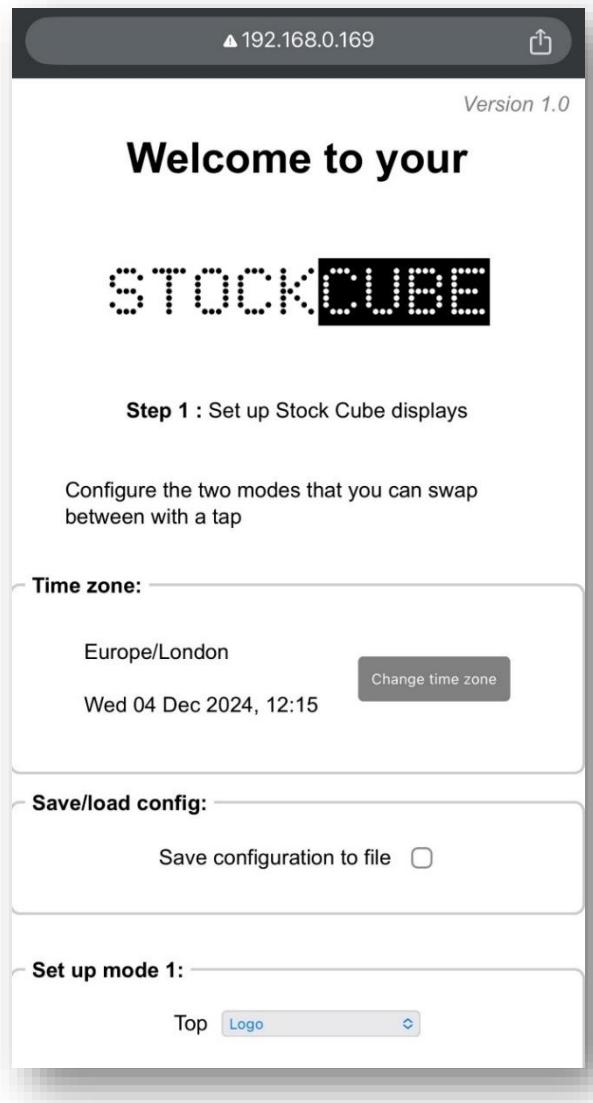
Step 3 – running mode and menu

After your initial setup, whenever you power on your Stock Cube it will automatically boot into normal running mode and show your personalised display setup.

Simply tap on the Action button on the touch panel to switch between your two running modes and Sleep mode.

You can change the brightness of your Stock Cube by swiping up and down on the slider.

To enter the main menu, simply press-and-hold the Action button.

From here, swipe up or down to select which option you would like, and tap the Action button to select it.
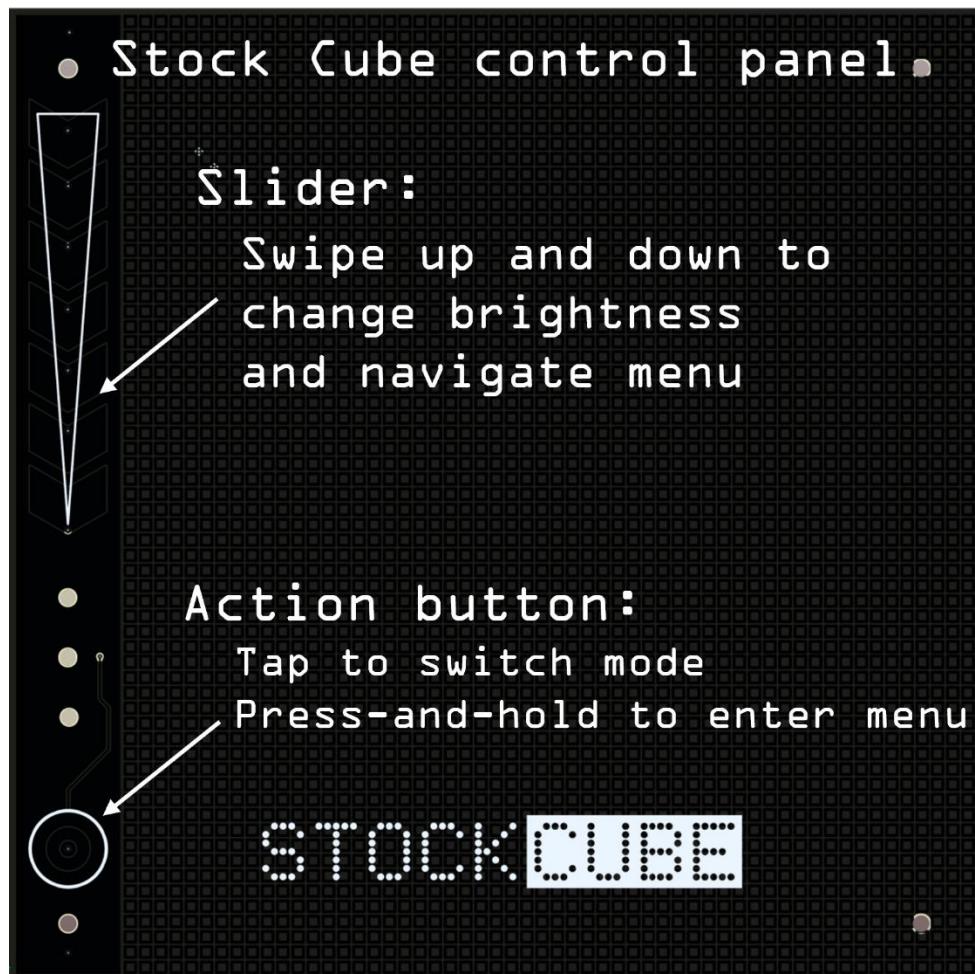
Display modes

You can set up two different running modes using any combination of the options shown here. More modes will be added through future software updates.

Top display

Mode	Description	Example image
Indexes	Compact view of NASDAQ, S&P500 and Dow Jones Indexes (^IXIC, ^DJI and ^GSPC)	
Portfolio	Daily and overall performance of your Portfolio	
Crypto / Forex	Compact view of your choice of 5 Crypto/Forex rates vs USD	
Logo / NFT	Display your own logo / NFT	64 x 64 pixel version created during setup (and preview shown in setup tool)

Front displays

Mode	Description	Example image
Portfolio	Overall performance of each ticker within your portfolio since trade opened Option to overlay small clock on front face	
Watchlist	Current price and daily change of up to 12 tickers – NYSE stocks or crypto currencies Option to overlay small clock on front face (as shown here)	
World Clock	Local time, world clock and NYSE status	

Detailed instructions

Setup tool

This section describes the Setup tool pages in full detail

Software update page

Every time the Stock Cube enters Setup mode, it will check for any new software updates that are available, and give you the option to update. This software update screen is shown below. It is highly recommended to keep up to date with software updates.
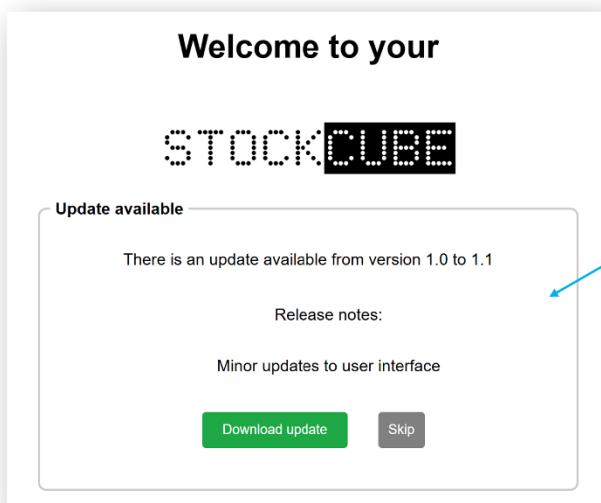

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Software update
This screen is shown if there
is a software update
available. It will include the
existing and new versions and
the release notes for the
latest version

Press "Download update" to
update your Stock Cube. This
will start a series of update
screens on the Stock cube, and
when complete it will re-enter
Setup mode
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Setup tool front page

Choose your time zone
This only impacts the "local time" on the World Clock mode or clock overlay

Save / load config
Here you can save and name your setups for easy future reloading. Your current setup is always remembered by the Stock Cube

Display mode setup
Here you choose what you want to show on the top and front displays in your two user modes (as described in "Display Modes" section)

Scrolling tickers
Tick this box to show scrolling tickers on your front displays (highly recommended!). If you don't select scrolling, only your first six ticker choices will be shown

Overlay clock
Overlay a small clock showing your local date and time on front right display

Press submit when done

After the first page, the Setup tool will only show you the pages which are relevant to your setup. All possible pages are described here for reference.

Setup tool – Watchlist

Clear / load defaults
Quick buttons to allow you to clear all tickers or load in the Stock Cube defaults (which are shown here)

Prominent stocks/symbols
List of 50 prominent stocks and their tickers for easy reference

All available stocks/symbols
Searchable list of all stocks and tickers available on current software release

Type / ticker entry
If Crypto - ticker will be a drop down list of all currently available crypto currencies
If NYSE stock - please type in the symbol (using search fields if you need to)

Press "Verify" when done

Verification
The Stock Cube will verify your Watchlist by grabbing all current prices. If there are any issues they will be highlighted red and you will be asked to fix them before continuing

Setup tool - Portfolio

Step 3 (of 4): Portfolio

All available stocks/symbols:

[Type to search all 27168] [Clear] [Copy watchlist]

	Type	Ticker	Quantity	Buy price ($)	Leverage ratio (:1)	Current value ($)
1	NYSE stock	AAPL	3.5	258.23	1	
2	NYSE stock	TSLA	4.762	302.22	1	
3	Crypto	BTC-USD	0.025	60340	1	
4	NYSE stock	TTWO	25	110.45	1	
5	NYSE stock	NVDA	2.894	208.44	1	
6	Crypto	XRP-USD	2100	0.687	1	
7	NYSE stock				1	

Type / ticker
Same as Watchlist -
enter type and ticker

Quantity / buy price / Leverage
Enter the quantity, buy price and
leverage of your trade when opened

Step 3 (of 4): Portfolio

Updated and saved

	Type	Ticker	Quantity	Buy price ($)	Leverage ratio (:1)	Current value ($)
1	NYSE stock	AAPL	3.5	258.23	1	849.275
2	NYSE stock	TSLA	4.762	302.22	1	1673.4621
3	Crypto	BTC-USD	0.025	60340.0	1	2391.3547
4	NYSE stock	TTWO	25.0	110.45	1	4701.4999
5	NYSE stock	NVDA	2.894	208.44	1	405.9124
6	Crypto	XRP-USD	2100.0	0.687	1	5380.0469

Total value: 15401.551

[Back] [Next]

Verify
The Portfolio setup page will show
your current portfolio value based
on your entered trades - confirm
this is correct and click "Next",
or "Back" to adjust your selections

Setup tool – Forex / Crypto

Step 4 (of 4): Forex/Crypto

Clear

	Type	Ticker	Current rate ($)
1	Forex	EURUSD	
2	Forex	GBPUSD	
3	Forex	JPYUSD	
4	Crypto	BTC-USD	
5	Crypto	ETH-USD	

Back   Verify

Type / ticker
Select Forex or Crypto for the 5 tickers you'd like to see. Both options will show a drop-down list of available tickers

Press "Verify" when done

Setup tool – Logo / NFT

Step 3 (of 3): Select logo file

Previously uploaded logo detected, use this?

Yes   No

Use default (Stock Cube) logo ☐

Select file to upload: [Choose File] No file chosen

Back   Verify

Step 3 (of 3): Select logo file

Verify logo

The logo has been converted to a format suitable for the Stock Cube

Please check it looks as you would like

Back   Submit

Default logo
Show the Stock Cube logo on your top display

Choose your own logo / NFT
Upload any jpg/png file (up to 5MB) to show on the top display!

Verify
Click "Verify" and the Stock Cube will convert your image file to a 64x64pixel image as it will appear on your Stock Cube

Submit / Back
If you're happy with your preview, click "Submit". Otherwise click "Back" and upload a different file

Setup tool – complete!

Welcome to your

STOCK**CUBE**

Setup complete!

How to interact with your Stock Cube:

Stock Cube control panel

Slider:
Swipe up and down to change
brightness and navigate menu

Action button:
Tap to switch mode
Press-and-hold to enter menu

STOCK**CUBE**

Full instructions can be found at thestockcube.co.uk/how-to
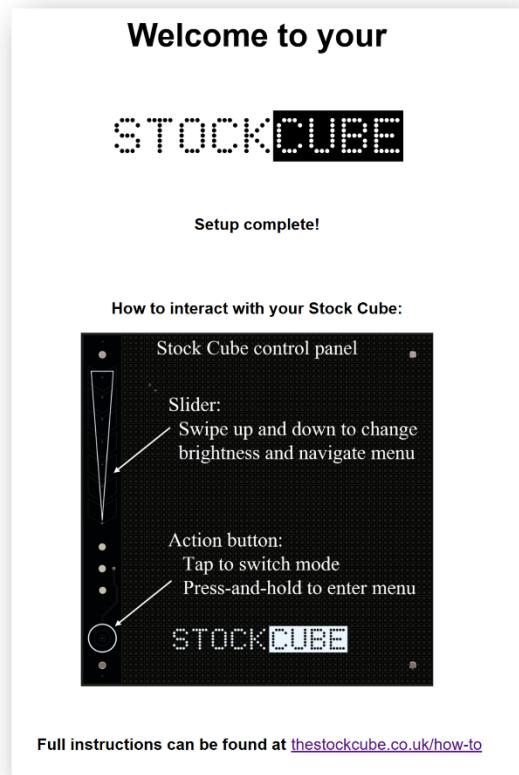
Setup complete!
Your Stock Cube will now load in
your setup and start running

You can re-enter setup mode via
the main menu (described later)

Main Menu
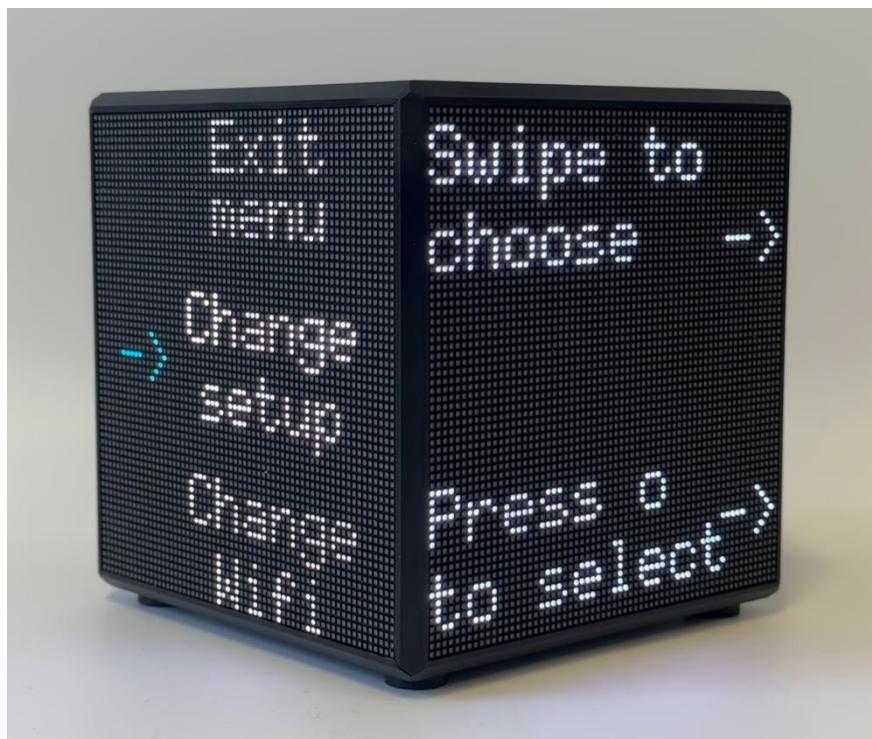
Enter the Main Menu at any time by pressing-and-holding the Action button on the touch panel.

From here you can perform the following actions (swipe up and down on the touch slider to select, and tap Action button to enter):

Change Setup – runs the Setup tool to change your display setup or content

Change Wifi – runs Wifi setup again from scratch (starting with the Stock Cube creating its own Wifi hotspot)

Factory Reset – performs a full factory reset on your Stock Cube – only to be used if advised by the Stock Cube Support team

Factory Test – runs a simple test of the Stock Cube displays

Stock Cube indicators

Live/valid price indication

The Stock Cube tries to ensure it makes it clear if currently displayed prices are "live" or not (to within a few minutes). If ticker prices are not "live" due to either no network connection, or because the NYSE is closed, all NYSE ticker names will be shown in GREY instead of white on the Stock Cube, as shown here:

Network connection issues

If there is no network connection, the Stock Cube will show a subtle network error indicator in the corner of the top display, as shown below in the top left corner. As soon as the network connection is active again, this indicator will flick to green and then disappear.

Specifications

Displays	3 x 64x64 pixel RGB LED displays
Price update rate	Variues with modes, typically 1 minute – but not guaranteed
Dimensions (H x W x D)	5.75 x 5.5 x 5.5in (145 x 134 x 134mm)
Weight	1.76lb (0.80kg)
Wifi	2.4GHz and 5.0GHz IEEE 802.11ac
Power input	5.25V 6A (only use power supply provided)
Power draw	Run modes (average): 8W Sleep mode: 3.5W
CPU	Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.8GHz, 4GB LPDDR4-3200 SDRAM
Operating temperature	41° to 95°F (5° to 35°C)
Storage temperature	32°to 104°F (0°to 40°C)
Package contents	Stock Cube v2.0, Stock Cube PSU, UK & US PSU cables

Please contact info@thestockcube.co.uk for any support or queries.

Warranties

The manufacturer's warranty is one year from the date of purchase.

See the website http://www.thestockcube.co.uk/ for details.

Make sure to carefully follow the instructions for installation, or you may damage the product.

Important instructions and warnings

1. Read these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions
5. The Stock Cube is designed to be a personal display for visualisation purposes only, and does not guarantee the update rate of prices.
6. The Stock Cube is not to be used to inform trading decisions
7. Do not use this apparatus near water
8. Install in accordance with the manufacturer's instructions
9. Clean only with low pressure air duster / blower
10. Do not block any ventilation openings or remove rubber feet
11. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat
12. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
13. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
16. The Power Supply adapter shall be installed near the equipment and shall be easily accessible.
17. Only use attachments/accessories specified by the manufacturer.
18. This unit is designed for indoor use. Do not operate the system outdoors.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Regulatory information

Please contact info@thestockcube.co.uk if you require any copies of regulatory documentation.

Model: **Stock Cube v2.0**

Designed in the UK by:
Convex Products Ltd, 18 The Beeches,
KT22 9DT, UK

Made in China   Lot #: xxxx

US Local Representative:
Convex Products LLC, 15442 Ventura Blvd,
STE201-607, California, 91403

CAN ICES-003 (B)
Contains FCC ID: 2ABCB-RPI4B
Contains IC ID: 20953-RPI4B; HVIN: 1.0
Operating frequency: 2.4-2.4835GHz; Max. Power: 20dBm (e.i.r.p)
Operating frequency: 5.15-5.350GHz; Max. Power: 23dBm (e.i.r.p)
Operating frequency: 5.45-5.725GHz; Max. Power: 30dBm (e.i.r.p)

5 070003 426003

| GB | US | CA |
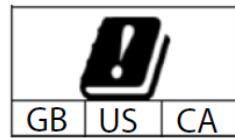
5.25VDC 6.0A

RED Declaration: We declare that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The product can be used across EU member states.

Stock Cube Power supply information:

Part number: K48V052600E2

Manufacturer: Dongguan Guanjin Electronics Technology Co., Ltd, Block 16 Qiantou New Industrial Park, Niushan, Dongcheng District, 523128 Dongguan City, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA

The FCC Wants You to Know

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that

interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

a) Reorient or relocate the receiving antenna.

b) Increase the separation between the equipment and receiver.

c) Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

d) Consult the dealer or an experienced radio/TV technician.

CAN ICES-3 (B) / NMB-3 (B)

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception.

IC STATEMENT

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1）This device may not cause interference.

2）This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1）L'appareil ne doit pas produire de brouillage;

2）L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

FCC Warning (Modification statement)

Modifications not expressly approved by the manufacturer could

void the user's authority to operate the equipment under FCC Rules.

ISED Warning (Modification statement)

Convex Products Ltd n'approuve aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature. Tout changement ou modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

RF Exposure

This device has been tested for compliance with FCC RF exposure limits in a portable configuration. This device must not be used with any other antenna or transmitter that has not been approved to operate in conjunction with this device.

Interference statement

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Wireless notice

This device complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Le présent appareil est conforme à l'exposition aux radiations FCC / ISED définies pour un environnement non contrôlé et répond aux directives d'exposition de la fréquence de la FCC radiofréquence (RF) et RSS-102 de la fréquence radio (RF) ISED règles d'exposition. L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenne ou autre émetteur.

Document change history

Revision	Release date	Description
1.0	04/12/2024	First release for v1.0 software release